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Infrastructure, environment, facilities

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Joseph A. Gowers – Project Manager
Southern New Jersey Remediation Section
USEPA Region II
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ENVIRONMENTAL

Subject:
Sludge Removal Area 6 (SR-6)
Ringwood Mines/Landfill Site, Ringwood, New Jersey

Date:
June 18, 2008

Contact:
Erich Zimmerman

Phone:
201.684.1410

Email:
ezimmerman@arcadis-us.com

Our ref:
NJ000604.0029

Dear Mr. Gowers:

ARCADIS U.S, Inc. (ARCADIS), on behalf of the Ford Motor Company (Ford), is submitting this technical memorandum on the surficial paint sludge removal activities in SR-6 at the Ringwood Mines/Landfill Site, Ringwood, New Jersey.

Background

Surficial paint sludge was observed along and below the ridge located north of the Cannon Mine Pit area, within the southern portion of the Ringwood Site. This area was designated as SR-6, and removal activities were conducted from approximately October 2007 through April 2008. Approximately 10,000 cubic yards of paint sludge and soil were removed from the area and disposed off-site.

Confirmatory Sampling

Side wall post-excavation samples were collected for VOCs, SVOCs, Metals, and PCBs at a frequency of approximately one (1) sample for every 30 linear feet of excavation side wall (outside the area of exposed bedrock). Post-excavation bottom samples were collected for the same parameters at a frequency of approximately one (1) sample for every 900 square feet of excavation bottom area (outside the area of exposed bedrock). Post-excavation sample locations were biased to locations and intervals expected to have the highest potential for impact based on field observations. A total of twenty-three (23) side wall and sixty-nine (69) bottom samples were collected. The post-excavation analytical results are summarized in Table 1, and the sample locations are shown on Drawing 1.

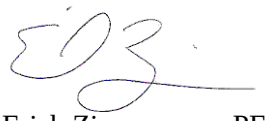
Arochor 1254 was detected at one side wall sample location (PE-30S) at a concentration of 0.79 mg/kg, which slightly exceeds the NJDEP residential soil contact standard (SCS) of 0.49 mg/kg. No other post-excavation samples contained constituents at concentrations greater than the NJDEP SCS. ARCADIS will excavate additional soil from this location and obtain an additional post-excavation sample to confirm that removal efforts are complete in this area. The results of this sampling will be provided to the USEPA in a subsequent technical memo.

Conclusions

Results of post-excavation samples obtained within SR-6 indicated that only one of the ninety-two (92) post-excavation samples contained any constituents at concentrations greater than the NJDEP SCS. This sample (PE-30S) is located at the northern edge of the removal area. ARCADIS requests permission to seed and stabilize the remaining portion of SR-6 to minimize runoff and erosion from this area while subsequent removal and sampling is conducted in the location of sample PE-30S.

Please feel free to contact me if you have any questions or require additional information.

Sincerely,
ARCADIS US, Inc



Erich Zimmerman, PE
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